

AMENDMENTS TO THE CLAIMS

1-18. **(Canceled)**

19. **(Previously presented)** An isolated peptide consisting of an amino acid sequence selected from the group consisting of:

DVNAGFKA AVAAAANAPPAD (SEQ ID NO:33);

GELQIVDKIDA AAFKIAATAA (SEQ ID NO:45);

DAAFKIAATAANAAPTNDKE (SEQ ID NO:46);

PEVKYAVFEAALTKAITAMT (SEQ ID NO:53); and

AALTKAITAMTQAQKAGKPA (SEQ ID NO:54).

20-38. **(Canceled)**

39. **(Previously presented)** A method for the treatment and/or prophylaxis of a condition in a subject, which condition is hypersensitivity to a grass pollen of the subfamily Pooideae, said method comprising administering to said subject an effective amount of a peptide according to claim 19 for a time and under conditions sufficient to treat or reduce the hypersensitivity.

40. **(Previously presented)** The method according to claim 39 wherein said condition is hypersensitivity to Rye grass or Timothy grass pollen.

41-44. **(Canceled)**

45. **(Previously presented)** A pharmaceutical composition comprising a peptide according to claim 19 together with one or more pharmaceutically acceptable carriers and/or diluents.

46. **(Currently amended)** A method of diagnosing or monitoring hypersensitivity to a grass pollen of the subfamily Pooideae in a mammal, said method comprising the steps of (a) obtaining T cells, IL-5, or IFN- γ from ~~derived from the peripheral blood or from tissue biopsies~~

of the mammal, (b) contacting said T cells, IL-5, or IFN- γ combining the cells with the peptides according to claim 19, and (c) measuring the amount of Lol p 5 reactive T cell proliferation, IL-5 or IFN- γ production activity of the cells before and after step (b), and (d) comparing the amount of Lol p 5 reactive T cell proliferation, IL-5, or IFN- γ production before and after step (b), wherein an increase in T cell proliferation, IL-5, or IFN- γ production activity indicates the presence or increase of hypersensitivity to said grass pollen.

47. **(Currently amended)** The method according to claim 46 wherein said ~~condition~~ is hypersensitivity to grass pollen is Rye grass or Timothy grass pollen.

48. **(Previously presented)** A diagnostic kit for use in diagnosing or monitoring a condition in a mammal, which condition is hypersensitivity to a grass pollen of the subfamily Pooideae, wherein said kit comprises a peptide according to claim 19.

49-52. **(Canceled)**

53. **(Previously presented)** The kit according to claim 48 wherein said condition is hypersensitivity to Rye grass or Timothy grass pollen.